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Term:

Digital Command Control AND (bipolar OR bi-polar)

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USPT,PGPB,JPAB,EPAB,DWPI,TDBD	Digital Command Control AND (bipolar OR bi-polar)	6	<u>L2</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	Digital Command Control	59	<u>L1</u>

S7 1 PN="US 55004"
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7/9/1
DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat
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Basic Patent (No,Kind,Date): US 5855004 A 19981229 <No. of Patents: 001>

PATENT FAMILY:

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5855004 A 19981229
SOUND RECORDING AND REPRODUCTION SYSTEM FOR MODEL TRAIN USING
INTEGRATED DIGITAL COMMAND CONTROL (English)
Patent Assignee: NOVOSEL MICHAEL J (US); FLESZEWSKI III VINCENT S
(US); BOLES KELLY (US)
Author (Inventor): NOVOSEL MICHAEL J (US); FLESZEWSKI III VINCENT S
(US); BOLES KELLY (US)
Priority (No,Kind,Date): US 851200 A 19970505; US 289257 B2
19940811
Applic (No,Kind,Date): US 851200 A 19970505
National Class: * 704272000; 704201000; 105001500
IPC: * G10L-009/18; A63H-019/14
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Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):

US 5855004	P	19940811	US AA	PRIORITY
			US 289257 B2	19940811
US 5855004	P	19970505	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 851200 A	19970505
US 5855004	P	19971006	US AS02	ASSIGNMENT OF ASSIGNOR'S
			INTEREST	
			REAL RAIL EFFECTS, INC. 4220 NORTH MARMORA	
			CHICAGO, ILLINOIS 60634 ; NOVOSEL, MICHAEL J.	
			: 19970430; FLESZEWSKI, VINCENT S. III :	
			19970505; BOLES, KELLY : 19970930	
US 5855004	P	19981229	US A	PATENT
US 5855004	P	20000815	US RF	REISSUE APPLICATION FILED
			(REISSUE APPL. FILED)	
			20000609	

?

?us5855004/pn

LGST	1
CRXX	1
LITA	0
PAST	1
** SS 7 : Results 3	

Search statement 8

?prt ss7 max 1-3

1/3 LGST (1/1) - (C) LEGSTAT
PN - US 5855004 [US5855004]
AP - US 851200/97 19970505 [1997US-0851200]
DT - US-P
ACT - 19970505 US/AE-A
APPLICATION DATA (PATENT)
{US 851200/97 19970505 [1997US-0851200]}
- 19971006 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
REAL RAIL EFFECTS, INC. 4220 NORTH MARMORA CHICAGO, ILLINOIS 60634 *
NOVOSEL, MICHAEL J. : 19970430; FLESZEWSKI, VINCENT S. III : 19970505;
BOLES, KELLY : 19970930
- 19981229 US/A
PATENT
- 20000815 US/RF
REISSUE APPLICATION FILED
20000609
UP - 2000-34

2/3 CRXX (1/1) - (C) CLAIMS/RRX
AN - 3092308
PN - 5,855,004 A 19981229 [US5855004]
PA - Boles, Kelly; Fleszewski, Vincent S III; Novosel, Michael J
PT - E (Electrical)
ACT - 19971006 REASSIGNED
ASSIGNMENT OF ASSIGNOR'S INTEREST

Assignor: NOVOSEL, MICHAEL J. DATE SIGNED: 04/30/1997
FLESZEWSKI, VINCENT S. III DATE SIGNED: 05/05/1997
BOLES, KELLY DATE SIGNED: 09/30/1997

Assignee: REAL RAIL EFFECTS, INC. 4220 NORTH MARMORA CHICAGO, ILLINOIS
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Reel 008748/Frame 0083

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- 20000609 REISSUE REQUESTED
Issue Date of O.G.: 20000815

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UP - 1999-00
UACT- 2000-08-15

3/3 PAST (1/1) - (C) PAST
AN - 200033-001341
PN - 5855004 A [US5855004]
DT - A (UTILITY)
OG - 2000-08-15
CO - REA
ACT - REISSUE APPLICATION FILED
SH - REISSUE APPLICATION FILED

Search statement 8

5,855,004

<=2> GET 1st DRAWING SHEET OF 20

Dec. 29, 1998

Sound recording and reproduction system for model train
using integrated digital command control

REISSUE: Reissue Application filed Jun. 9, 2000 (O.G. Aug. 15, 2000) Ex. Gp.:
2741; Re. S.N. 09/592,461

CORE TERMS: locomotive, digital, train, sound effects, packet, chip, sound
effect, sensor, variable, micro-controller...

LEXIS-NEXIS
Library: PATENT
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